Warning

- Ask a qualified installer or contractor to install this product. Do not try to install the product yourself. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Use only those parts and accessories supplied or specified by Daikin. Ask a qualified installer or contractor to install those parts and accessories. Use of unauthorised parts and accessories or improper installation of parts and accessories can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Read the User's Manual carefully before using this product. The User's Manual provides important safety instructions and warnings. Be sure to follow these instructions and warnings.

If you have any enquiries, please contact your local importer, distributor and/or retailer.

Cautions on product corrosion

1. Air conditioners should not be installed in areas where corrosive gases, such as acid gas or alkaline gas, are produced.
2. If the outdoor unit is to be installed close to the sea shore, direct exposure to the sea breeze should be avoided. If you need to install the outdoor unit close to the sea shore, contact your local distributor.

Đại lý phân phối

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DAIKIN

Split Type Air Conditioners

DC Inverter Power Control

Cooling Only & Heat Pump [50 Hz] **R-410A**

Less Energy, More Comfort

If you think you have to choose between energy savings and personal comfort, just try DC Inverter. Thanks to their variable operating capacities, these units raise comfort levels and, at the same time, increase energy savings. Enjoy more comfort with less energy!

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5 Inverter Technology
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11 Cleanliness and Durability
13 Function Dictionary
15 Function List
17 Specifications
21 Controller
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Inverter Air Conditioners with a Total of 10 Models for Cooling Only and Heat Pump

R-410A

Cooling Only FTKS series

FTKS25/35G

RKS25/35G

Model	FTKS25GVMV / RKS25GVMV	
Cooling Capacity	kW	2.5 (1.2-3.3)
	Btu/h	8,500 (4,100-11,300)

Model	FTKS35GVMV / RKS35GVMV	
Cooling Capacity	kW	3.3 (1.3-4.2)
	Btu/h	11,300 (4,400-14,300)

FTKS50/60/71G

RKS50/60G

RKS71G

Model	FTKS50GVMV / RKS50GVMV	
Cooling Capacity	kW	5.2 (1.9-6.3)
	Btu/h	17,700 (6,500-21,500)

Model	FTKS60GVMV / RKS60GVMV	
Cooling Capacity	kW	6.0 (1.9-7.1)
	Btu/h	20,500 (6,500-24,200)

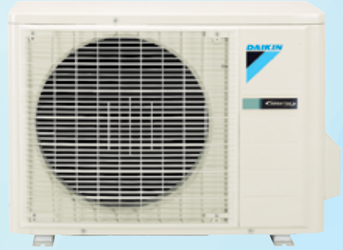
Model	FTKS71GVMV / RKS71GVMV	
Cooling Capacity	kW	7.1 (2.5-8.7)
	Btu/h	24,200 (8,500-29,700)

INVERTER		Model name	Capacity range				
			25	35	50	60	71
R-410A	Cooling only	FTKS	●	●	●	●	●
R-410A	Heat pump	FTXS	●	●	●	●	●

R-410A

Heat Pump FTXS series

FTXS25/35G



RXS25/35G

Model	FTXS25GVMV / RXS25GVMV	
Cooling Capacity	kW	2.5 (1.2-3.0)
	Btu/h	8,500 (4,100-10,200)
Heating Capacity	kW	3.4 (1.2-4.5)
	Btu/h	11,600 (4,100-15,350)

Model	FTXS35GVMV / RXS35GVMV	
Cooling Capacity	kW	3.5 (1.2-3.8)
	Btu/h	11,900 (4,100-12,950)
Heating Capacity	kW	4.0 (1.2-5.0)
	Btu/h	13,600 (4,100-17,050)

FTXS50/60/71G

RXS50/60G

RXS71G

Model	FTXS50GVMV / RXS50GVMV	
Cooling Capacity	kW	5.0 (1.7-6.0)
	Btu/h	17,100 (5,800-20,500)
Heating Capacity	kW	5.8 (1.7-7.7)
	Btu/h	19,800 (5,800-26,300)

Model	FTXS60GVMV / RXS60GVMV	
Cooling Capacity	kW	6.0 (1.7-6.7)
	Btu/h	20,500 (5,800-22,900)
Heating Capacity	kW	7.0 (1.7-8.0)
	Btu/h	23,900 (5,800-27,300)

Model	FTXS71GVMV / RXS71GVMV	
Cooling Capacity	kW	7.1 (2.3-8.5)
	Btu/h	24,200 (7,800-29,000)
Heating Capacity	kW	8.2 (2.3-10.0)
	Btu/h	28,000 (7,900-34,100)

DC Inverter Power Control with Energy Savings

Inverter Advantages Compared to Non-Inverter

Features of Inverter Technology

An inverter is a device for converting frequency. The technology is used in many home appliances and controls the electric voltage, current and frequency. Inverter air conditioners can vary their cooling/heating capacity by adjusting the power supply frequency of their compressors. In contrast, non-inverter air conditioners have a fixed cooling/heating capacity and can only control the indoor temperature by starting or stopping their compressors. As a result, inverter air conditioners are more energy-saving and comfortable than non-inverter air conditioners.

Powerful

Inverter air conditioners operate at maximum capacity as soon as they start up. As a result, the set temperature can be reached more quickly.

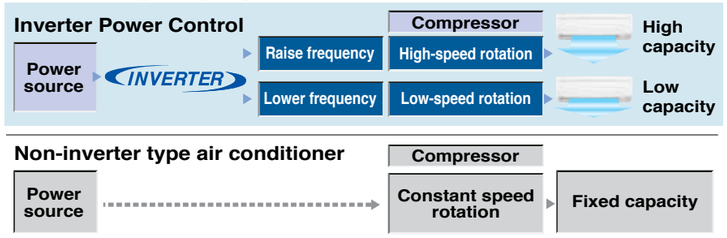
Energy Saving

After the indoor temperature approaches the set temperature, Inverter Control adjusts to low capacity operation to maintain this temperature. This makes inverter models more energy-saving than non-inverter models, which must repeatedly start or stop their compressors to maintain the room temperature.

Comfortable

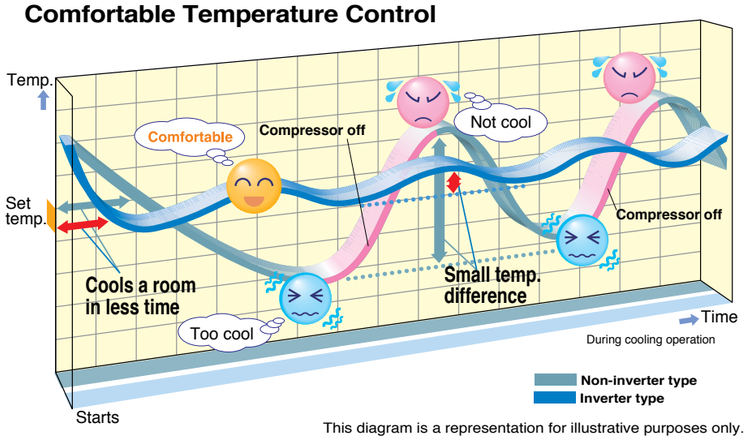
Inverter air conditioners finely adjust capacity according to changes in the air-conditioning load and the difference between the indoor temperature and set temperature is small. They give higher comfort levels than with non-inverter air conditioners.

Variable Capacity Operation



Inverter air conditioners are able to vary their operating capacity. Non-inverter air conditioners can only operate at a fixed capacity.

Comfortable Temperature Control



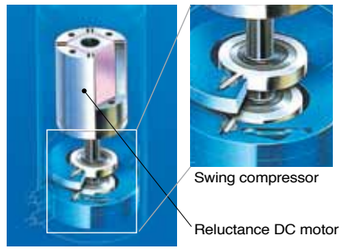
This diagram is a representation for illustrative purposes only.

What Is DC Inverter?

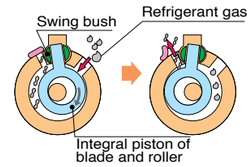
Daikin calls an inverter model that is equipped with a DC motor DC Inverter. A DC motor offers higher efficiency than an AC motor. A DC motor uses the power of magnets to attract and repel to generate rotation. A DC motor that is equipped with high-power neodymium magnets, which enable even greater efficiency, is called a Reluctance DC motor.

Energy-Saving Technological Features

Swing Compressor



Thanks to its smooth rotation, the swing compressor decreases friction and vibration. It also prevents the leakage of refrigerant gas during compression. These advantages provide quiet and efficient operation.

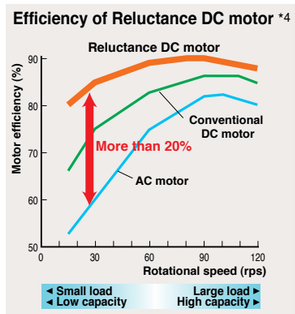


The swing compressor can reduce operational vibration and sound because its piston moves smoothly inside the compressor.

Reluctance DC Motor for Compressors

Neodymium magnets are used in the pink-coloured area.

Daikin DC Inverter models are equipped with the Reluctance DC motor for compressors. The Reluctance DC motor uses 2 different types of torque, neodymium magnet*1 and reluctance torque*2. This motor saves energy by generating more power with a smaller electric current than AC or conventional DC motors. It is more efficient at the low frequencies most commonly used by air conditioners,*3 improving efficiency by approximately 20%.

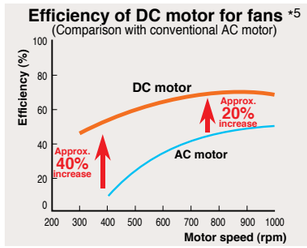


*4. Data are based on studies conducted under controlled conditions at a Daikin laboratory.

*1. A neodymium magnet is approximately 10 times stronger than a standard ferrite magnet.
*2. The torque created by the change in power between the iron and magnet parts.
*3. The frequency range used by air conditioners during periods of stable operation. This is the range in which air conditioners operate for the longest periods.

DC Motor for Fans

The DC motor allows fine rotation control, which reduces energy consumption. The motor also provides improvements in operational efficiency of up to 40%, compared to an AC motor. These improvements are particularly noticeable in the low-speed range.



*5. Data are based on studies conducted under controlled conditions at a Daikin laboratory.

PAM Control

PAM (Pulse Amplitude Modulation) control reduces energy loss by controlling how often the converter switches on and off.

Efficient Operation with Less Energy Wastage

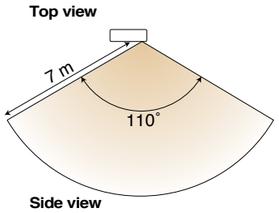
Intelligent Eye

Intelligent Eye prevents energy wastage by using its infrared sensor to detect human movement in a room. When there is no movement, Intelligent Eye increases the temperature by 2°C to give energy savings. This reduces energy wastage if, for example, you forget to turn off the air conditioner. This function can be conveniently activated from the remote controller.

Once Intelligent Eye is set, it continues to work to save energy. You do not need to push the SENSOR button each time you wish to use this function.

The Intelligent Eye indicator lights when movement is detected.

Intelligent Eye sensor



When you are in the room, the air conditioner maintains the set temperature.

If Intelligent Eye detects no human movement for 20 minutes, it automatically adjusts the set temperature by 2°C.

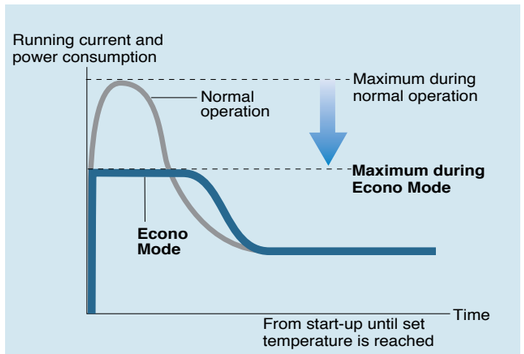
When you enter the room, Intelligent Eye automatically returns the temperature to the set level.

Econo Mode

This function limits both the maximum running current and maximum power consumption. It is particularly effective if the cooling load is high, for example, at start-up or during large gatherings and periods of direct sunshine.

Econo Mode is also useful for preventing circuit breakers from being overloaded during temporary peaks in the running current. The function is easily activated from the remote controller by pushing the ECONO button.

This function is not available for FTXS50/60/71G and FTXD50/60/71H.



- This diagram is a representation for illustrative purposes only.
- Maximum capacity decreases during Econo Mode, requiring more time to reach the set temperature.

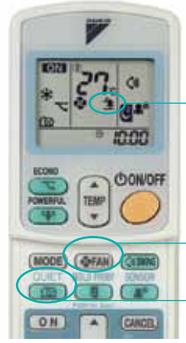
Indoor Unit Quiet Operation

This series gives you the choice of 5-step, Quiet or Automatic settings for the fan speed. The Quiet setting selects Indoor Unit Quiet Operation, which decreases the sound pressure level by 3 dB (A) below the Low setting. This wide range of settings allows you to precisely control the fan speed according to your needs. For example, the Quiet function will help you to sleep comfortably at night. The sound pressure level for the FTKS25G is 22 dB (A).

FTKS25G

Fan speeds	Sound pressure levels
High (H)	37 dB (A)
Low (L)	25 dB (A)
Quiet (SL)	22 dB (A)

3 dB(A)



	Auto	SL	L	M	H
Fan speed		Low ←			→ High
Sound pressure level		Each decrease in airflow volume reduces the sound pressure level.			

Outdoor Unit Quiet Operation

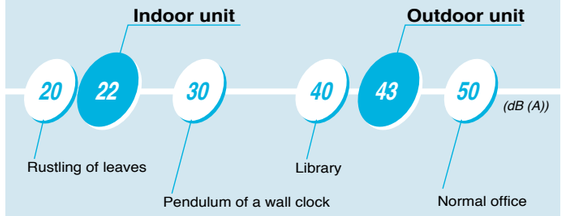
This function decreases the sound pressure level by 3 dB (A) below the rated operation. It provides a low sound pressure level of 43 dB (A) for the RK(X)S25G. Capacity may decrease when Outdoor Unit Quiet Operation is selected.

RK(X)S25G

Operations	Sound pressure levels
Rated (H)	46 dB (A)
Quiet (SL)	43 dB (A)

3 dB (A)

22 dB (A) Is So Quiet You Can Even Hear Whispers



Based on “Examples of Sound Levels”, Ministry of the Environment, Japan, November 12, 2002

Comfortable Airflow

Power-Airflow Dual Flaps

Wide-Angle Louvers

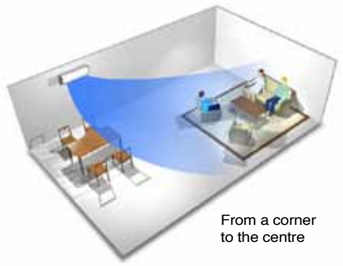
Power-Airflow Dual Flaps and Wide-Angle Louvers work in tandem to precisely control both vertical and horizontal airflow for distribution of air.

Power-Airflow Dual Flaps

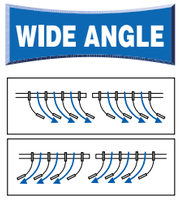
Cooling: the flaps flatten out during operation so that cool air slides off to reach the corner of the room.

Heating: the flaps descend to blow warm air directly down to the floor to quickly warm the whole room.

Wide-Angle Louvers



From a corner to the centre



The louvers can be adjusted by hand for 2.5 and 3.5 kW models and with the wireless remote controller for 4.2 to 7.1 kW models.

Covers even a spacious room

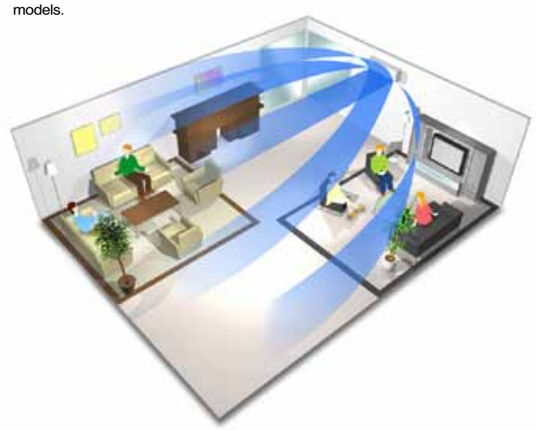
Vertical Auto-Swing (up and down)

Horizontal Auto-Swing (left and right)

3-D Airflow

Vertical Auto-Swing automatically moves the flaps up and down and Horizontal Auto-Swing automatically moves the louvers to the left and right. 3-D Airflow combines Vertical and Horizontal Auto-Swing to circulate air to every part of a room for uniform cooling/heating of even large spaces.

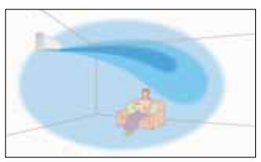
Horizontal Auto-Swing and 3-D Airflow are not available for 2.5 and 3.5 kW models.



Comfort Airflow Mode

Comfort Airflow Mode prevents uncomfortable drafts from blowing directly on to your body. With this function, when you press the COMFORT button, the flap moves upward to prevent direct cold drafts.

This function is available for FTKS50/60/71G and FTKD42/50/60/71H.



Inverter Powerful Operation

Inverter Powerful Operation boosts cooling/heating performance for a 20-minute period. This is convenient both when you first turn on your air conditioner and when you want to quickly change the temperature during operation.

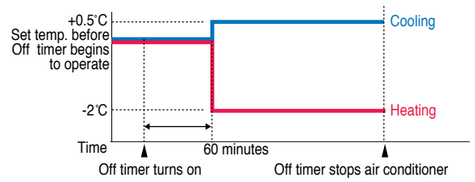
Indoor Unit On/Off Switch

The unit can be conveniently started manually in the event the wireless remote controller is misplaced or the wireless remote controller batteries are not charged.

Indoor Unit On/Off Switch

Night Set Mode

Pressing the Off timer button automatically selects Night Set Mode. This function prevents excessive cooling or heating for a pleasant sleep. Room temperature is raised by 0.5˚C after 60 minutes for cooling operation and the temperature is lowered by 2˚C after 60 minutes for heating operation.



Cooling operation: Room temperature is raised by 0.5˚C after 60 minutes.
Heating operation: Room temperature is lowered by 2˚C after 60 minutes.

Home Leave Operation

Home Leave Operation prevents large rises or falls in the indoor temperature by continuing operation* while you are sleeping or out of your home. This means that an air-conditioned welcome awaits when you wake or return. It also means that the indoor temperature can quickly return to your favourite comfort setting.

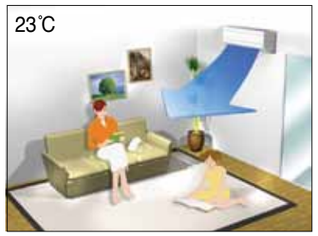
This function is available for FTXS50/60/71B and FTXD50/60/71H.

* Home Leave Operation can be set at any temperature from 18 to 32˚C for cooling operation and 10 to 30˚C for heating operation.

During operation, 23˚C for the room temperature setting, and 28˚C for the Home Leave setting.

Start Home Leave Operation simply by pushing its button on the remote controller.

When you are out of your home, your air conditioner prevents large rises in the indoor temperature by continuing to operate using Home Leave Operation settings.



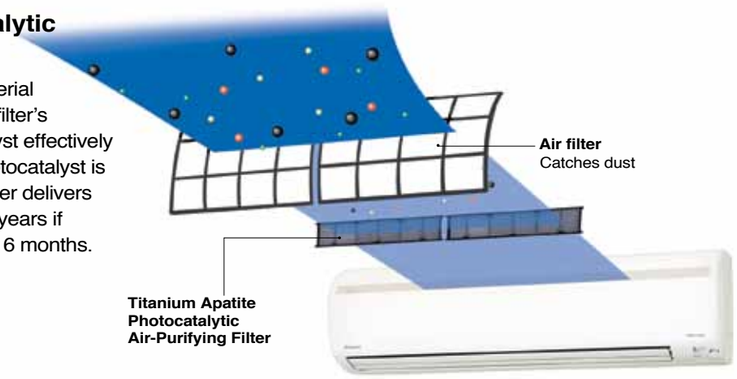
When you return, you will be greeted by an air-conditioned room. Just push the HOME LEAVE button again to return to your previous settings.

Photocatalytic Air Purifying and Worry Free Design

Titanium Apatite Photocatalytic Air-Purifying Filter

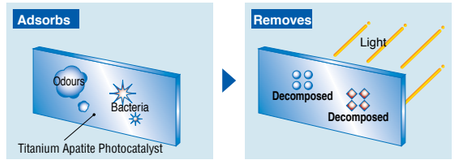
Titanium apatite is a new photocatalytic material with advanced adsorption power. While the filter's micron-level fibres trap dust, this photocatalyst effectively adsorbs and decomposes bacteria. The photocatalyst is activated simply by exposure to light. The filter delivers consistent performance for approximately 3 years if washing with water is performed once every 6 months.

Bacteria Removal Test
Testing method: Dropping method
Testing organisation: Japan Spinners Inspecting Foundation
Result certificate: No. 012553-1 and 012553-2



This filter is not a medical device. Benefits such as the adsorption and decomposition of bacteria are only effective for substances that are collected on and in direct contact with the Titanium Apatite Photocatalytic Air-Purifying Filter.

Effect of Titanium Apatite Photocatalyst



Apatite adsorbs bacteria. At the same time, the photocatalyst oxidises odour components, breaking them down.

Mould-Proof Operation

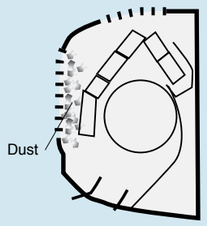
When cooling or dry operation is stopped, fan-only operation runs automatically for 1 hour. This airflow dries the inside of the indoor unit to reduce the generation of mould and odours.

This function is available for 2.5 and 3.5 kW models.

Wipe-Clean Flat Panel

Flat panel models can be cleaned instantly with a single wipe of a cloth across their smooth surface. If more thorough cleaning is required, the panel can also be easily removed from the unit.

Conventional Front Grille Design

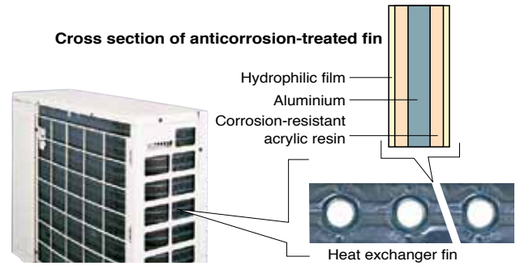


Front grille design units collect dust on their air inlet grilles unless these grilles are cleaned regularly.

1. Difficult to remove dust on the grille through wiping alone
2. Reduced capacity due to increased suction resistance
3. High sound levels due to increased suction resistance

Anticorrosion Treatment of Outdoor Heat Exchanger Fins

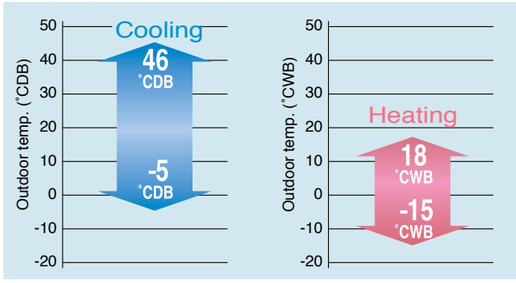
The outdoor unit's heat exchanger fins are processed using a special anticorrosion treatment. The surface is covered with a thin acrylic resin layer to enhance the fins' resistance to acid rain and salt corrosion.
A hydrophilic film layer also prevents rust caused by the run off of water droplets.



Wide Operation Range

With the heat pump type, cooling operation is possible even during outdoor temperatures of as low as 10°C. Heating operation can also be performed during outdoor temperatures of -15 to 18°C. This makes these units ideal for even very cold areas.

Heat pump FTXD50/60/71H



Installation Flexibility

A long piping length gives installation flexibility. Installation is possible even if there is no space for the outdoor unit near the indoor unit.

	Max. piping length	Max. height difference
FTKS25/35G FTXS25/35G	20 m	15 m
FTKS50/60/71G FTXS50/60/71G	30 m	20 m

Piping connections for the outdoor unit are covered to make them less conspicuous.

Function Dictionary

Comfortable Airflow

Power-Airflow Dual Flaps
Power-Airflow Dual Flaps can flatten out during cooling operation to deliver cool air to the corners of a room. The flaps can direct warm air straight down to the floor during heating operation.
▶ See page 9

Wide-Angle Louvers
The smoothly curved Wide-Angle Louvers provide wide airflow coverage for effective operation no matter where the indoor unit is placed in a room.
▶ See page 9

Vertical Auto-Swing (up and down)
This function automatically moves the flaps up and down to distribute air across a room.
▶ See page 9

Horizontal Auto-Swing (left and right)
Horizontal Auto-Swing automatically moves the louvers to the left and right to cover a room with cool/warm air.
▶ See page 9

3-D Airflow
This function combines Vertical and Horizontal Auto-Swing to circulate a cloud of cool/warm air right to the corners of even large spaces. The flaps and louvers swing in turn.
▶ See page 9

Comfort Airflow Mode
This function prevents uncomfortable drafts from blowing directly on to the body. To prevent drafts, the flap moves upward during cooling operation and downward during heating operation.
▶ See page 9

Lifestyle Convenience

Standby Electricity Saving
Even when an air conditioner is not operating, it requires standby power. However, thanks to this function, the required standby power can be reduced.

Econo Mode
This mode limits maximum running current and power consumption. This improves operating efficiency and also prevents circuit breakers from being overloaded.
▶ See page 7

Inverter Powerful Operation
This function is convenient for boosting cooling/heating performance for a 20-minute period both when you first turn on your air conditioner or want to quickly change the room temperature.
▶ See page 10

Home Leave Operation
Home Leave Operation continues operation to prevent a room from becoming too hot or cold, while you are sleeping or out of your home. Select any temperature from 18 to 32˚C for cooling operation and 10 to 30˚C for heating operation.
▶ See page 10

Indoor Unit On/Off Switch
The unit can be conveniently started manually in the event the wireless remote controller is misplaced or the wireless remote controller batteries are not charged.
▶ See page 10

Comfort Control

Indoor Unit Quiet Operation
Indoor unit operating sound pressure levels are decreased from the Low setting fan speed using the wireless remote controller.
▶ See page 8

Outdoor Unit Quiet Operation
Outdoor unit operating sound pressure levels are decreased from the rated operation sound using the wireless remote controller.
▶ See page 8

Intelligent Eye
Intelligent Eye with its infrared sensor automatically controls air conditioner operation according to human movement in a room. When there is no movement, it adjusts the temperature by± 2 C for energy savings.
▶ See page 7

Automatic Operation
This function automatically selects cooling or heating operation mode based on the room temperature at start-up. This function is available with the heat pump type.

Programme Dry Function
The computer chip works to rid the room of humidity while maintaining the most consistent temperature possible. It automatically controls the temperature and airflow rate.

Auto Fan Speed
The microprocessor automatically controls fan speed to adjust the room temperature to the set temperature.

Cleanliness

Titanium Apatite Photocatalytic Air-Purifying Filter
This filter contains the advanced photocatalytic material titanium apatite. While the filter's micron-level fibres trap dust, this photocatalyst adsorbs and decomposes bacteria. The filter can be used for up to 3 years with proper maintenance.
▶ See page 11

Air-Purifying Filter with Photocatalytic Deodorising Function
This filter is made of titanium oxide. It adsorbs and decomposes bacteria. The filter can be used for up to 3 years with proper maintenance.

Mould-Proof Operation
Mould-Proof Operation automatically runs fan-only operation for 1 hour when cooling or dry operation is stopped. This airflow prevents the generation of mould and mould odours inside the indoor unit.
▶ See page 11

Wipe-Clean Flat Panel
The flat panel design can be cleaned with only the single pass of a cloth across its smooth surface. The flat panel can also be easily removed for more thorough cleaning.
▶ See page 11

Timers

24-Hour On/Off Timer
This timer can start or stop the air conditioner within a 24-hour period. It can be preset in 10-minute steps by pressing the On/Off timer button on the wireless remote controller. The On timer and Off timer can be used in combination.

Night Set Mode
Pressing the Off timer button automatically selects Night Set Mode. This function prevents excessive cooling or heating for a pleasant sleep. After 60 minutes, the room temperature is raised by 0.5˚C for cooling operation or lowered by 2˚C for heating operation.
▶ See page 10

Worry Free

Auto-Restart after Power Failure
The air conditioner memorises the settings for mode, airflow, temperature, etc., and automatically returns to them when power is restored after a power failure.

Self-Diagnosis with Digital Display
Malfunction codes are shown on the digital display panel of the wireless remote controller for fast and easy maintenance.

Anticorrosion Treatment of Outdoor Heat Exchanger Fins
The outdoor unit's heat exchanger fins are processed using a special anticorrosion treatment. The surface is covered with a thin acrylic resin layer to enhance the fins' resistance to acid rain and salt corrosion.
▶ See page 12

Others

Comfort Control

Quick Warming Function
During low outdoor temperatures, this function pre-heats the compressor to shorten the time required to discharge warm air.

Automatic Defrosting
Before starting heating operation, a sensor checks for frost in the outdoor unit and performs automatic defrosting if necessary so that only warm air is discharged.

These 2 functions are available with the heat pump type.

Function List

Indoor Unit

Functions \ Models	R-410A Cooling Only FTKS series		R-410A Heat Pump FTXS series	
	FTKS25/35G	FTKS50/60/71G	FTXS25/35G	FTXS50/60/71G
INVERTER DC Inverter	●	●	●	●
Comfortable Airflow				
Power-Airflow Dual Flaps	●	●	●	●
Wide-Angle Louvers	●	●	●	●
Vertical Auto-Swing (up and down)	●	●	●	●
Horizontal Auto-Swing (left and right)		●		●
3-D Airflow		●		●
Comfort Airflow Mode		●		
Comfort Control				
Indoor Unit Quiet Operation	●	●	●	●
Intelligent Eye	●	●	●	●
Automatic Operation			●	●
Programme Dry Function	●	●	●	●
Auto Fan Speed	●	●	●	●
Lifestyle Convenience				
Standby Electricity Saving		●		
Econo Mode	●	●	●	
Inverter Powerful Operation	●	●	●	●
Home Leave Operation				●
Indoor Unit On/Off Switch	●	●	●	●
Cleanliness				
Titanium Apatite Photocatalytic Air-Purifying Filter	●	●	●	●
Air-Purifying Filter with Photocatalytic Deodorising Function				
Mould-Proof Operation	●		●	
Wipe-Clean Flat Panel	●	●	●	●
Timers				
24-Hour On/Off Timer	●	●	●	●
Night Set Mode	●	●	●	●
Worry Free				
Auto-Restart after Power Failure	●	●	●	●
Self-Diagnosis with Digital Display	●	●	●	●

Outdoor Unit

Functions \ Models	RKS25/35G	RKS50/60/71G	RXS25/35G	RXS50/60/71G
Comfort Control — Outdoor Unit Quiet Operation	●	●	●	●
Worry Free — Anticorrosion Treatment of Outdoor Heat Exchanger Fins	●	●	●	●

Specifications R-410A INVERTER Cooling Only

FTKS25/35G

Model name	Indoor unit		FTKS25GVMV	FTKS35GVMV
	Outdoor unit		RKS25GVMV	RKS35GVMV
Capacity	Rated (Min.-Max.)	kW	2.5 (1.2-3.3)	3.3 (1.3-4.2)
		Btu/h	8,500 (4,100-11,300)	11,300 (4,400-14,300)
Power supply			1 phase, 220-240 V/220-230 V, 50/60 Hz	
Running current	Rated	A	3.4	4.4
Power consumption	Rated	W	583	892
CSPF			4.16	5.08
Indoor unit			**FTKS25GVMV**	**FTKS35GVMV**
Front panel colour			White	
Airflow rate (H)		m³/min (cfm)	9.0 (318)	8.9 (314)
Fan speed			5 steps, quiet and automatic	
Sound pressure level (H/L/SL)		dB (A)	37/25/22	38/26/23
Dimensions (H x W x D)		mm	283 x 800 x 195	
Machine weight		kg	9	
Outdoor unit			**RKS25GVMV**	**RKS35GVMV**
Casing colour			Ivory white	
Compressor	Type		Hermetically sealed swing type	
	Motor output	W	600	
Refrigerant charge (R-410A)		kg	1.0	
Sound pressure level (H/SL)		dB (A)	46/43	47/44
Dimensions (H x W x D)		mm	550 x 765 x 285	
Machine weight		kg	34	
Operation range		˚CDB	19.4 to 46	
Piping connections	Liquid	mm	ø6.4	
	Gas		ø9.5	
	Drain		ø18.0	
Max. piping length		m	20	
Max. height difference			15	

Note: The above values are based on operation with a 220 V, 50 Hz power supply.

FTKS50/60/71G

Model name	Indoor unit		FTKS50GVMV	FTKS60GVMV	FTKS71GVMV
	Outdoor unit		RKS50GVMV	RKS60GVMV	RKS71GVMV
Capacity	Rated (Min.-Max.)	kW	5.2 (1.9-6.3)	6.0 (1.9-7.1)	7.1 (2.5-8.7)
		Btu/h	17,700 (6,500-21,500)	20,500 (6,500-24,200)	24,200 (8,500-29,700)
Power supply			1 phase, 220-240 V/220-230 V, 50/60 Hz		
Running current	Rated	A	6.4	8.4	10.4
Power consumption	Rated	W	1,397	1,765	2,283
CSPF			5.09	5.54	4.61
Indoor unit			**FTKS50GVMV**	**FTKS60GVMV**	**FTKS71GVMV**
Front panel colour			White		
Airflow rate (H)		m³/min (cfm)	14.3 (504)	15.4 (544)	16.3 (575)
Fan speed			5 steps, quiet and automatic		
Sound pressure level (H/L/SL)		dB (A)	43/34/31	45/35/32	46/37/34
Dimensions (H x W x D)		mm	290 x 1,050 x 250		
Machine weight		kg	12		
Outdoor unit			**RKS50GVMV**	**RKS60GVMV**	**RKS71GVMV**
Casing colour			Ivory white		
Compressor	Type		Hermetically sealed swing type		
	Motor output	W	1,100		1,920
Refrigerant charge (R-410A)		kg	1.5		1.9
Sound pressure level (H/SL)		dB (A)	48/44	52/46	52/49
Dimensions (H x W x D)		mm	735 x 825 x 300		770 x 900 x 320
Machine weight		kg	43		60
Operation range		˚CDB	19.4 to 46		
Piping connections	Liquid	mm	ø6.4		
	Gas		ø12.7		ø15.9
	Drain		ø18.0		
Max. piping length		m	30		
Max. height difference			20		

Note: The above values are based on operation with a 220 V, 50 Hz power supply.

Measurement conditions
1. Cooling capacity is based on: indoor temp. 27˚CDB, 19˚CWB; outdoor temp. 35˚CDB; piping length 7.5 m.
2. Sound pressure levels are based on the temperature conditions 1. above. These are anechoic conversion values. These values are normally somewhat higher during actual operation as a result of ambient conditions.
3. CSPF is based on TCVN 7830: 2012 conditions.

Specifications R-410A INVERTER Heat Pump

FTXS25/35G

Model name	Indoor unit			FTXS25GVMV	FTXS35GVMV
	Outdoor unit			RXS25GVMV	RXS35GVMV
Capacity	Cooling	Rated (Min.-Max.)	kW	2.5 (1.2-3.0)	3.5 (1.2-3.8)
			Btu/h	8,500 (4,100-10,200)	11,900 (4,100-12,950)
	Heating	Rated (Min.-Max.)	kW	3.4 (1.2-4.5)	4.0 (1.2-5.0)
			Btu/h	11,600 (4,100-15,350)	13,600 (4,100-17,050)
Power supply				1 phase, 220-240 V/220-230 V, 50/60 Hz	
Running current	Cooling	Rated	A	3.5	4.9
	Heating			4.3	5.1
Power consumption	Cooling	Rated	W	600 (300-800)	1,020 (300-1,200)
	Heating	(Min.-Max.)		830 (290-1,340)	1,080 (290-1,550)
CSPF				4.176	4.982
Indoor unit				**FTXS25GVMV**	**FTXS35GVMV**
Front panel colour				White	
Airflow rate (H)	Cooling		m³/min	8.7 (307)	8.9 (314)
	Heating		(cfm)	9.4 (332)	9.7 (342)
Fan speed				5 steps, quiet and automatic	
Sound pressure level (H/L/SL)	Cooling		dB (A)	37/25/22	38/26/23
	Heating			37/28/25	38/29/26
Dimensions (H x W x D)			mm	283 x 800 x 195	
Machine weight			kg	9	
Outdoor unit				**RXS25GVMV**	**RXS35GVMV**
Casing colour				Ivory white	
Compressor	Type			Hermetically sealed swing type	
	Motor output		W	600	
Refrigerant charge (R-410A)			kg	1.00	
Sound pressure level (H/SL)	Cooling		dB (A)	46/43	47/44
	Heating			47/44	48/45
Dimensions (H x W x D)			mm	550 x 765 x 285	
Machine weight			kg	34	
Operation range	Cooling		˚CDB	10 to 46	
	Heating		˚CWB	–15 to 20	
Piping connections	Liquid		mm	ø6.4	
	Gas			ø9.5	
	Drain			ø18.0	
Max. piping length			m	20	
Max. height difference				15	

Note: The above values are based on operation with a 220 V, 50 Hz power supply.

FTXS50/60/71G

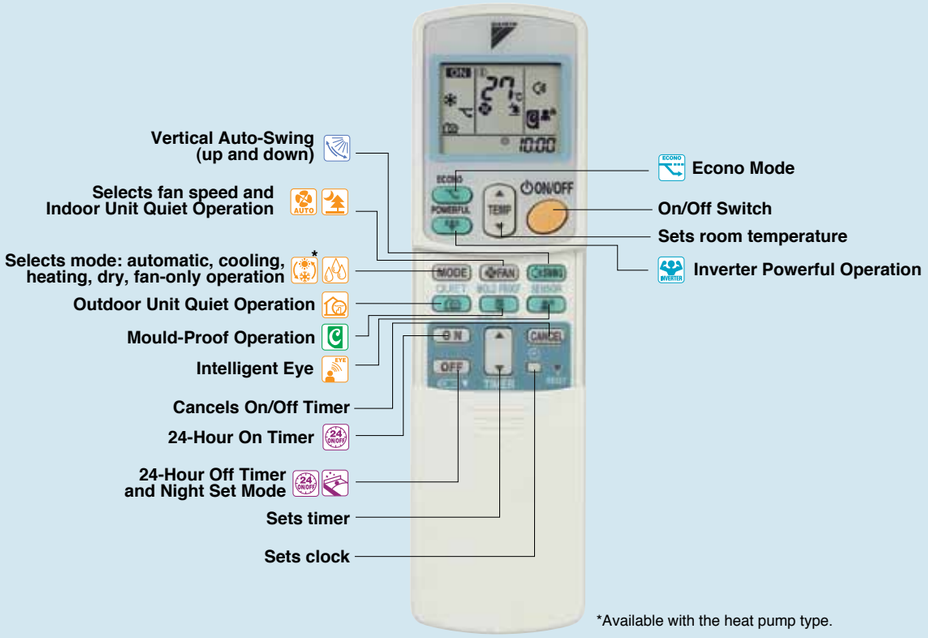
Model name	Indoor unit			FTXS50GVMV	FTXS60GVMV	FTXS71GVMV
	Outdoor unit			RXS50GVMV	RXS60GVMV	RXS71GVMV
Capacity	Cooling	Rated (Min.-Max.)	kW	5.0 (1.7-6.0)	6.0 (1.7-6.7)	7.1 (2.3-8.5)
			Btu/h	17,100 (5,800-20,500)	20,500 (5,800-22,900)	24,200 (7,800-29,000)
	Heating	Rated (Min.-Max.)	kW	5.8 (1.7-7.7)	7.0 (1.7-8.0)	8.2 (2.3-10.0)
			Btu/h	19,800 (5,800-26,300)	23,900 (5,800-27,300)	28,000 (7,900-34,100)
Power supply				1 phase, 220-240 V/220-230 V, 50/60 Hz		
Running current	Cooling	Rated	A	7.2	9.2	10.8
	Heating			7.4	9.4	11.6
Power consumption	Cooling	Rated	W	1,550 (440-2,080)	1,980 (440-2,390)	2,360 (570-3,200)
	Heating	(Min.-Max.)		1,600 (400-2,530)	2,040 (400-2,810)	2,520 (520-3,730)
CSPF				4.891	4.61	4.501
Indoor unit				**FTXS50GVMV**	**FTXS60GVMV**	**FTXS71GVMV**
Front panel colour				White		
Airflow rate (H)	Cooling		m³/min	14.7 (519)	16.2 (572)	17.4 (614)
	Heating		(cfm)	16.2 (572)	17.4 (614)	21.5 (759)
Fan speed				5 steps, quiet and automatic		
Sound pressure level (H/L/SL)	Cooling		dB (A)	44/35/32	45/36/33	46/37/34
	Heating			42/33/30	44/35/32	46/37/34
Dimensions (H x W x D)			mm	290 x 1,050 x 238		
Machine weight			kg	12		
Outdoor unit				**RXS50GVMV**	**RXS60GVMV**	**RXS71GVMV**
Casing colour				Ivory white		
Compressor	Type			Hermetically sealed swing type		
	Motor output		W	1,100		1,920
Refrigerant charge (R-410A)			kg	1.50		2.30
Sound pressure level (H/SL)	Cooling		dB (A)	47/44	49/46	52/49
	Heating			48/45	49/46	52/49
Dimensions (H x W x D)			mm	735 x 825 x 300		770 x 900 x 320
Machine weight			kg	48		71
Operation range	Cooling		˚CDB	10 to 46		
	Heating		˚CWB	–15 to 18		
Piping connections	Liquid		mm	ø6.4		
	Gas			ø12.7		ø15.9
	Drain			ø18.0		
Max. piping length			m	30		
Max. height difference				20		

Note: The above values are based on operation with a 220 V, 50 Hz power supply.

Measurement conditions
1. Cooling capacity is based on: indoor temp. 27˚CDB, 19˚CWB; outdoor temp. 35˚CDB; piping length 7.5 m.
2. Heating capacity is based on: indoor temp. 20˚CDB; outdoor temp. 7˚CDB, 6˚CWB; piping length 7.5 m.
3. Sound pressure levels are based on the temperature conditions 1. and 2. above. These are anechoic conversion values. These values are normally somewhat higher during actual operation as a result of ambient conditions.
4. CSPF is based on TCVN 7830: 2012 conditions.

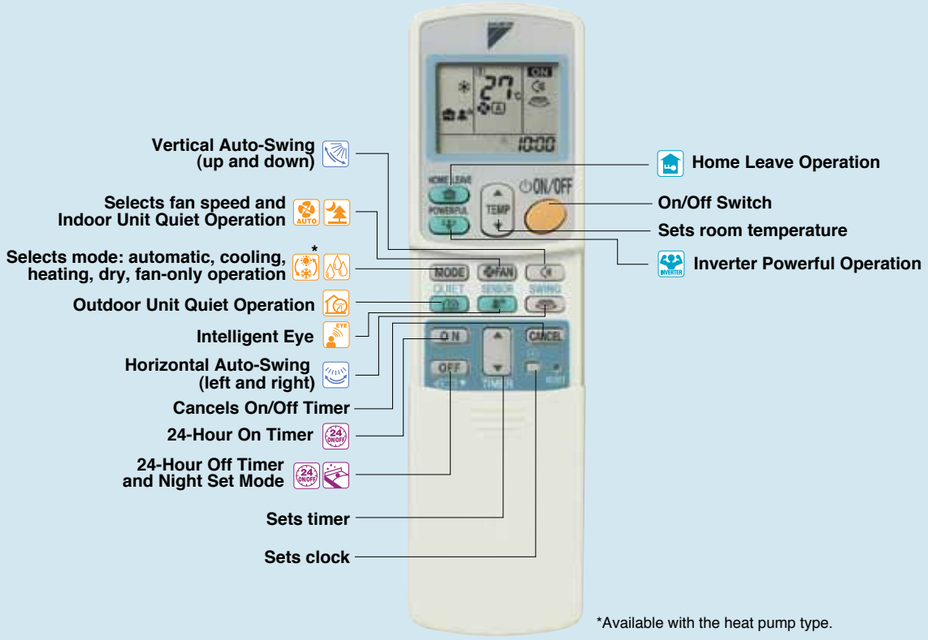
Controller

Wireless Remote Controller FTKS25/35G, FTXS25/35G



*Available with the heat pump type.

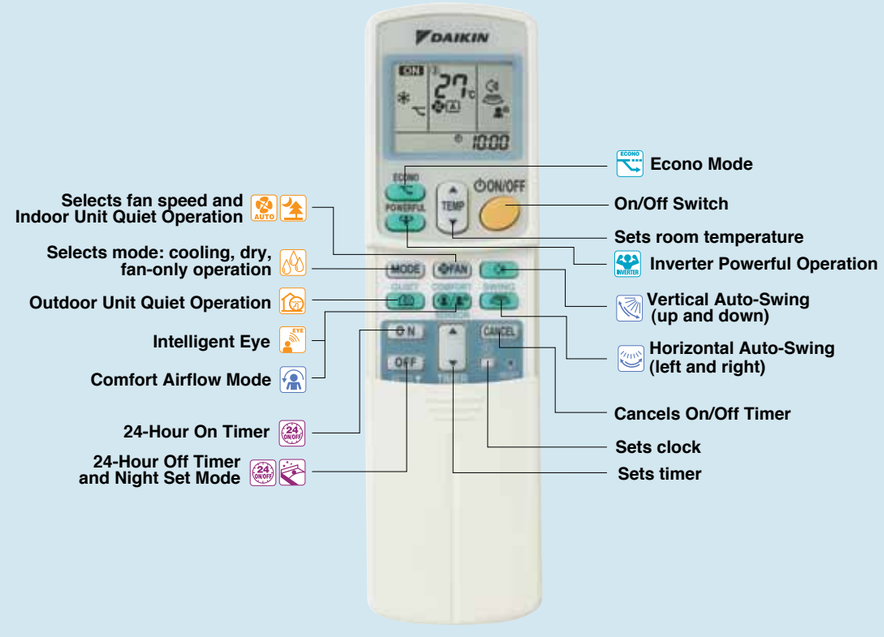
Wireless Remote Controller FTXS50/60/71G


Vertical Auto-Swing (up and down)
Selects fan speed and Indoor Unit Quiet Operation
Selects mode: automatic, cooling, heating, dry, fan-only operation *
Outdoor Unit Quiet Operation
Intelligent Eye
Horizontal Auto-Swing (left and right)
Cancels On/Off Timer
24-Hour On Timer
24-Hour Off Timer and Night Set Mode
Sets timer
Sets clock
Home Leave Operation
On/Off Switch
Sets room temperature
Inverter Powerful Operation

*Available with the heat pump type.

Controller

Wireless Remote Controller FTKS50/60/71G



Options

Indoor unit

No.	Item	FTKS25/35G	FTKS50/60/71G	FTXS25/35G	FTXS50/60/71G
1	5-room centralised controller *1	KRC72A			
2	Wiring adaptor for time clock/remote controller (Normal open pulse contact/normal open contact) *2	KRP413AB1S			
3	Titanium apatite photocatalytic air-purifying filter *3	KAF970A46			–
4	Air-purifying Filter with Photocatalytic Deodorising Function *3	–			KAF971B42
5	Remote controller loss prevention with chain	KKF917A4			

Notes: *1. A wiring adaptor (KRP413AB1S) is also required for each indoor unit.
*2. The time clock and other devices should be obtained locally.
*3. The filter is a standard accessory. It should be replaced approximately every 3 years.

Outdoor unit

No.	Item	RK(X)S25/35G	RK(X)S50/60G	RK(X)S71G
1	Air direction adjustment grille	KPW937A4	KPW945A4	
2	Drain plug	KKP937A4 *1		KKP945A4

Note: *1. One set includes 5 pieces for 5 units.

Control system

No.	Item	FTKS-G, FTXS-G
1	Central remote controller *1	DCS302CA61
2	Unified On/Off controller *1	DCS301BA61
3	Schedule timer *1	DST301BA61
4	Interface adaptor for DIII-NET use	KRP928BB2S

Note: *1. Interface adaptor for DIII-NET use (KRP928BB2S) is also required for each indoor unit.

Specifications are subject to change.